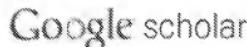


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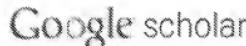
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... operations (these typically happen near important geometric or topological ... until we reach the final adaptive remesh M ... be generated for this sub-mesh, with the ...

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... a multiscale medial means for modeling and rendering 3D solid geometry ... medial atoms,
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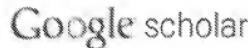
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... relative to an inertial frame of reference @ in 3D space are ... of points on the model
relative to the model frame ... where e is a geometric primitive e(u; ao(u); *(U ...
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S Katz, A Tal - ACM Transactions on Graphics (TOG), 2003 - portal.acm.org

... In 3D shape re-trival, a decomposition graph serves as ... distances to all pairs of faces in the **mesh**. ... For instance, we wish to **partition** the objects in Figure ...

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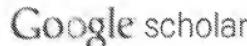
... brain, we modeled the major sulci in 3D as deep ... were modeled using a multiresolution parametric **mesh** approach ... into the brain to form a natural **partition** of its ...

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PV Sander, J Snyder, SJ Gortler, H Hoppe - Proceedings of the 28th annual conference on Computer ..., 2001 - portal.acm.org

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... it simply corresponds to the part of the ... factors which mainly differentiate this decomposition from simplification ... with respect to the geometry of the 3D mesh. ...

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... 2.3 Decomposition-based method ... measure shape variation, in order to identify a meaningful part ... procedure detects where the skeletal points of a 3D model can ...

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... We achieved efficient computation by decomposing the body into ... surface to be input by either 3D digitizing or ... Every part is composed of mass blocks, such as ...

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TJ Tautges - Int. J. Numer. Meth. Engng, 2001 - Citeseer

... solution step, which is efficient in part because it ... a surface mesh is extruded into 3D elements ... cent of the volumes resulting from geometry decomposition, and the ...

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Feature based hex meshing methodology: feature recognition and volume decomposition-► [wisc.edu](#) [PDF]

Y Lu, R Gadh, TJ Tautges - Computer-Aided Design, 2001 - Elsevier

... In 3D, the problem of decomposition and meshing becomes ... 9(a), the lower portion of the part can be ... a good quality mesh; however, this decomposition leaves an ...

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Segmentation of 3D Objects Using Pulse-Coupled Oscillator Networks- ► [uci.edu](#) [PDF]E Ceccarelli, A Del Bimbo, P Pala - IEEE International Conference on Multimedia and Expo, 2005. ..., 2005 - [ieeexplore.ieee.org](#)

... into syn-chronized groups reflects a decomposition of the original mesh into homogeneous parts. ... objects, represented in the form of 3D meshes; finally, in ...

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[A survey of methods for recovering quadrics in triangle meshes- ►loria.fr](#) [PDF]

S Petitjean - ACM Computing Surveys, 2002 - portal.acm.org

In a variety of practical situations such as reverse engineering of boundary representation from depth maps of scanned objects, range data analysis, model-based recognition and algebraic surface design, there is a need to ...

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[Whole-body modelling of people from multiview images to populate virtual worlds](#)

A Hilton, D Beresford, T Gentilis, R Smith, W Sun, ... - The Visual Computer, 2000 - Springer

In this paper a new technique is introduced for automatically building recognisable, moving 3D models of individual people. A set of multiview colour images of a person is captured from the front, sides and back by one ...

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A Lejeune, FP Ferrie - IEEE COMPUTER SOCIETY CONFERENCE ON COMPUTER VISION AND ..., 1993 - eprints.kfupm.edu.sa

Abstract We present a method for partitioning a set of surface estimates obtained with a laser range finding system into subsets corresponding to parts of an object. Our strategy uses two complementary representations for ...

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[Part-based 3D descriptions of complex objects from a single image](#)

M Zerroug, R Nevatia - IEEE Transactions on Pattern Analysis and Machine ..., 1999 - ieeexplore.ieee.org

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FG Calaiari, FP Ferrie - International Journal of Computer Vision, 2001 - Springer

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